

Reference 2

JP Pat. Application Disclosure No. 49-057048 - 3 June 1974

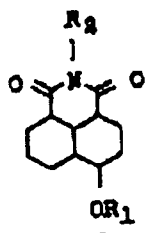
Application No. 47-100113 - 4 October 1972

Applicant: Sumitomo Kagaku Kogyo K.K., Osaka, JP

Title: Method for the optical brightening of organic polymeric material

[Claim] (single claim)

A method for the optical brightening of an organic polymeric material, characterized by using a fluorescent phthalimide derivative according to the general formula:



[wherein R₁ is an alkyl group, $\begin{array}{c} -\text{CH}_2\text{CHR}_3 \\ | \\ \text{O}-\text{X} \end{array}$ group {R₃ is a hydrogen atom, substituted or unsubstituted alkyl or phenyl group, or aralkyl group, alkenyl group; X is hydrogen atom, aralkyl group, -COR₄, -COOR₅ or -CONHR₆ (R₄, R₅, R₆ are substituted or unsubstituted alkyl or phenyl group or alkenyl group)}, or $\begin{array}{c} \text{OH} \\ | \\ -\text{CH}_2\text{O}-\text{X} \end{array}$ group (X has the same meaning as given

above); R_2 is alkyl group, cycloalkyl group, $\begin{array}{c} -CH_2CH_2R_3 \\ | \\ O-X \end{array}$ group (R_3 , X have the meanings given above) or $\begin{array}{c} -CH \\ | \\ CH_2O-X \end{array}$ group (X has the meaning given above); where at least one of R_1 and R_2 is a $\begin{array}{c} -CH_2CH_2R_3 \\ | \\ O-X \end{array}$ group or $\begin{array}{c} -CH \\ | \\ CH_2O-X \end{array}$ group.]